

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110382.D
 Acq On : 1 Nov 2018 21:55
 Operator : JU/SJ
 Sample : J5200-17 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 04:13:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

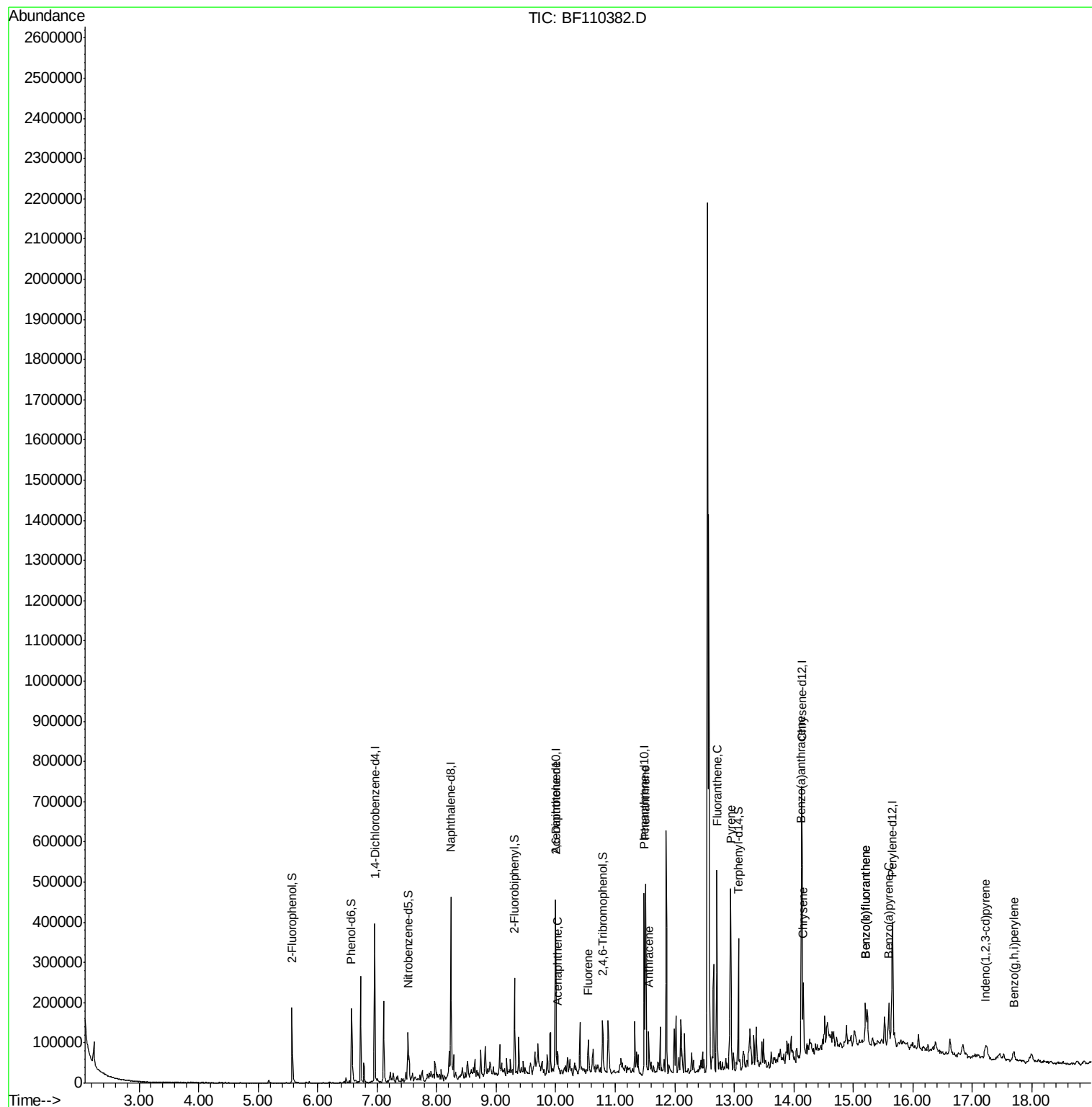
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	59314	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	206811	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	80554	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	158813	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180510	20.00	ng	0.00
87) Perylene-d12	15.66	264	138458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	62624	17.19	ng	0.00
7) Phenol-d6	6.57	99	75101	16.12	ng	-0.01
23) Nitrobenzene-d5	7.52	82	43414	12.45	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	13124	16.45	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	73814	14.39	ng	0.00
79) Terphenyl-d14	13.07	244	91950	10.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	1378	Below Cal		Qvalue 82
51) 2,6-Dinitrotoluene	10.00	165	11928	9.313 ng	#	23
52) Acenaphthene	10.03	154	10870	2.129 ng		97
58) Fluorene	10.55	166	21105	3.967 ng		94
71) Phenanthrene	11.51	178	176767	21.272 ng		99
72) Anthracene	11.56	178	45683	5.485 ng		98
75) Fluoranthene	12.70	202	179658	21.303 ng		99
77) Benzydine	13.07	184	1448	Below Cal	#	76
78) Pyrene	12.94	202	188426	14.560 ng		99
81) Benzo(a)anthracene	14.12	228	80690	7.538 ng		97
83) Chrysene	14.16	228	70545	6.938 ng		97
86) Indeno(1,2,3-cd)pyrene	17.22	276	18726	2.220 ng	#	91
88) Benzo(b)fluoranthene	15.20	252	73997	9.255 ng	#	92
89) Benzo(k)fluoranthene	15.20	252	73997	9.414 ng	#	91
90) Benzo(a)pyrene	15.59	252	44314	6.023 ng	#	95
92) Benzo(g,h,i)perylene	17.69	276	17881	2.858 ng	#	90

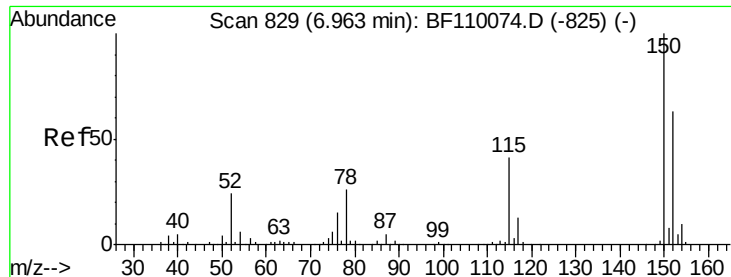
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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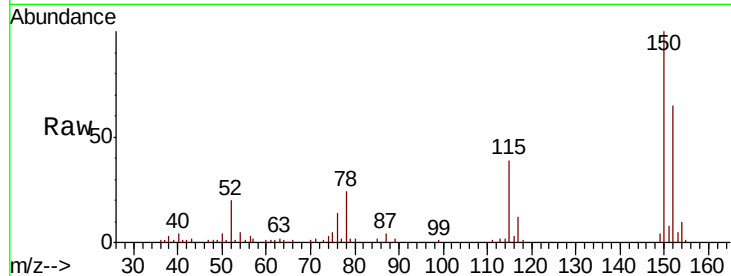


#1

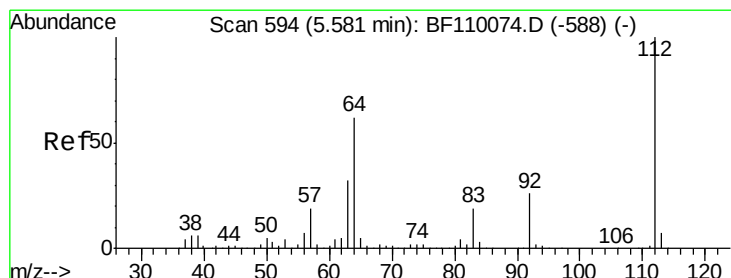
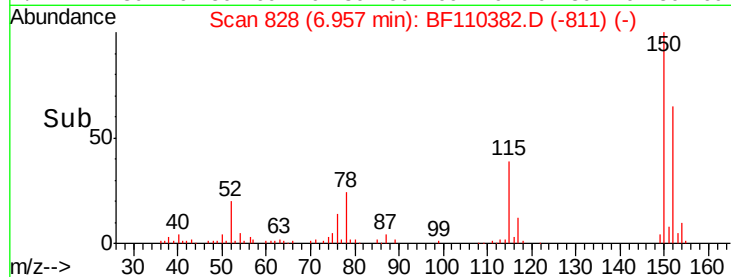
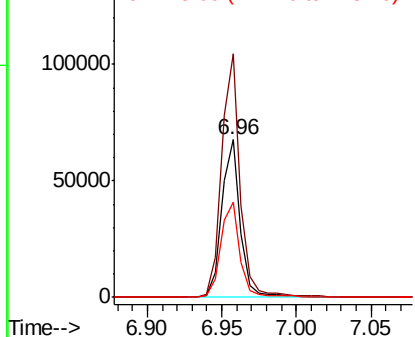
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 59314
Ion Ratio Lower Upper
152 100
150 154.8 122.7 184.1
115 60.3 49.1 73.7



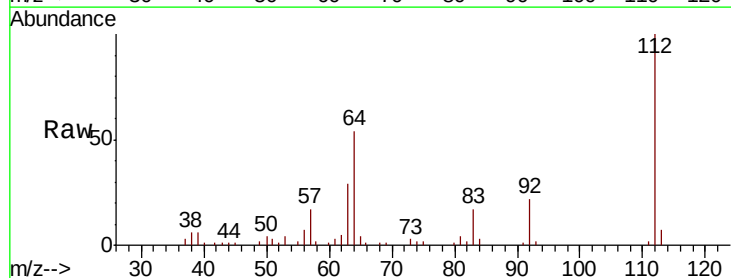
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



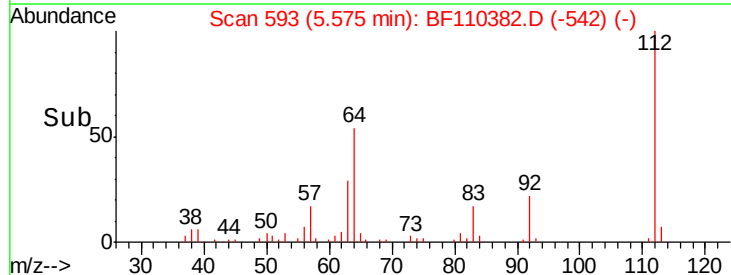
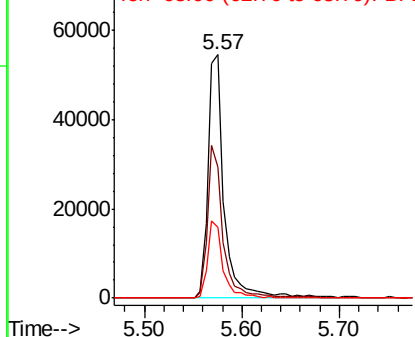
#5

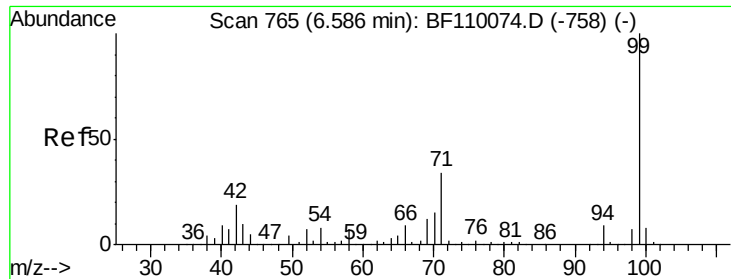
2-Fluorophenol
Concen: 17.193 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion:112 Resp: 62624
Ion Ratio Lower Upper
112 100
64 53.7 44.1 66.1
63 29.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.120 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampleId :

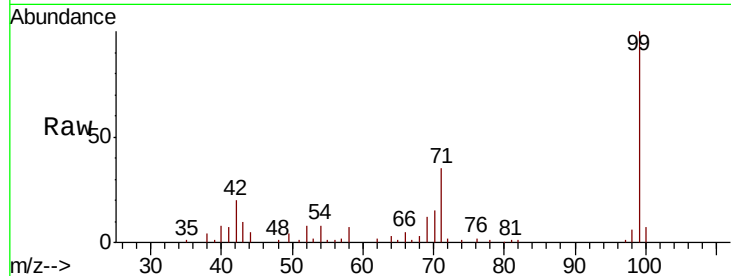
Tot Ion: 99 Resp: 75101

Ion Ratio Lower Upper

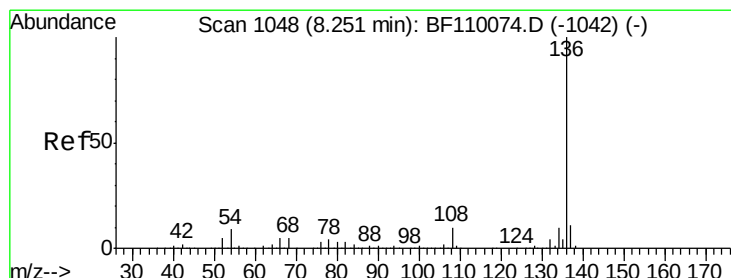
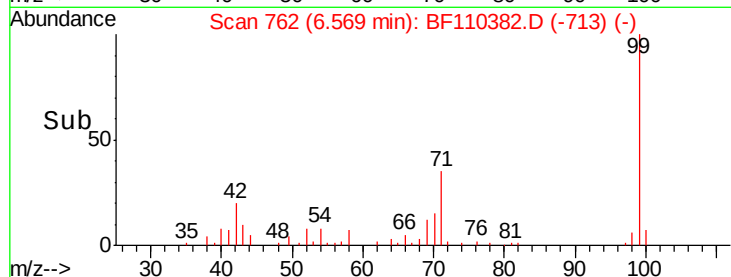
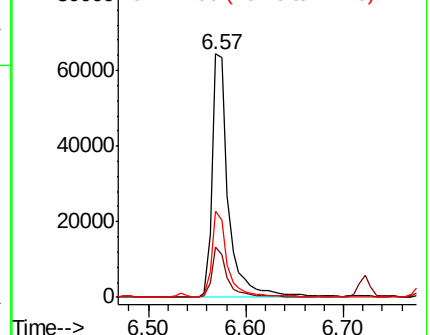
99 100

42 20.5 15.8 23.6

71 35.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion: 136 Resp: 206811

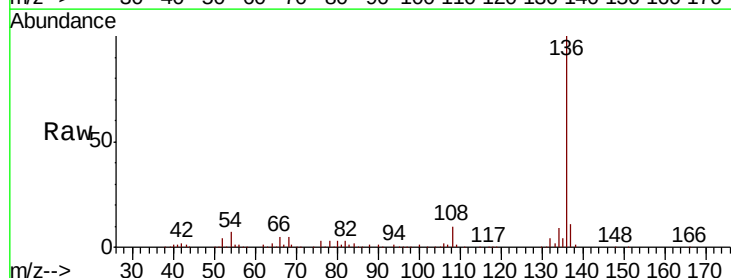
Ion Ratio Lower Upper

136 100

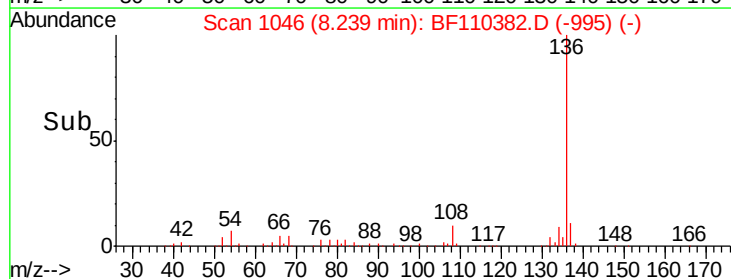
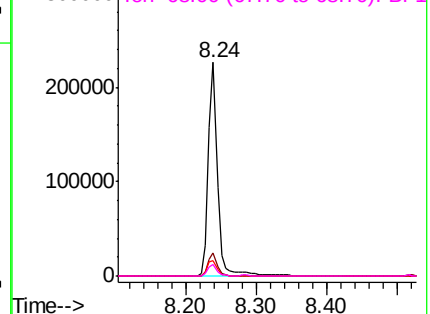
137 11.1 8.8 13.2

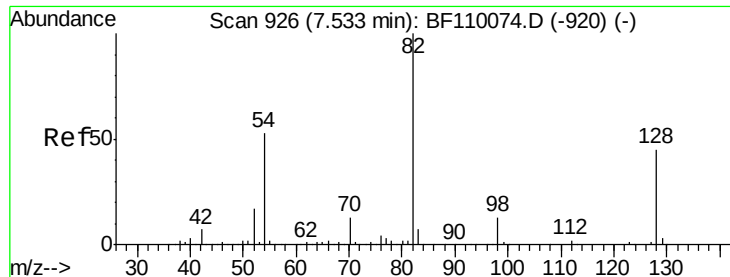
54 6.9 5.4 8.2

68 5.1 4.2 6.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

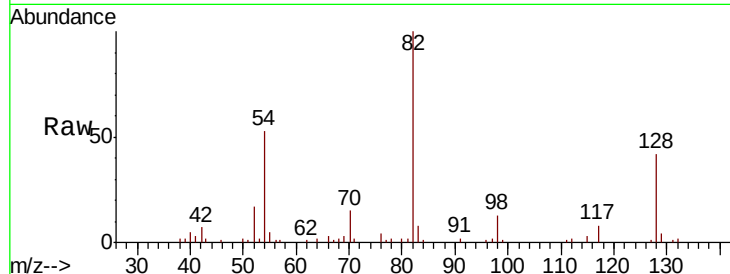




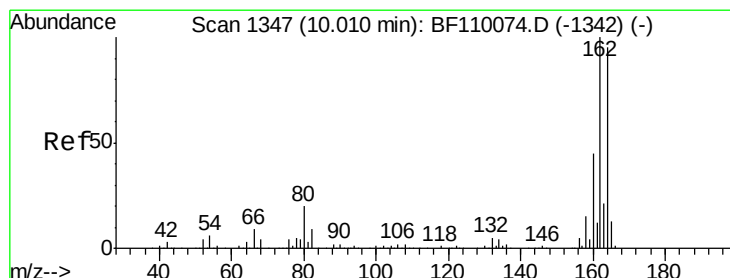
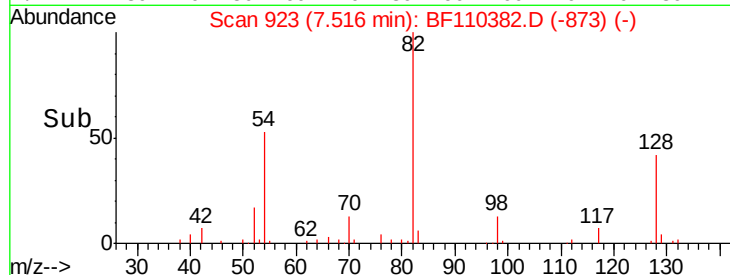
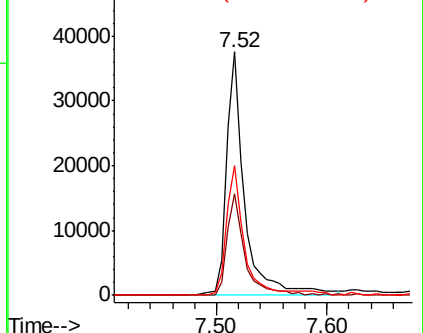
#23
 Nitrobenzene-d5
 Concen: 12.451 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 43414
 Ion Ratio Lower Upper
 82 100
 128 41.8 34.2 51.2
 54 53.3 38.6 58.0

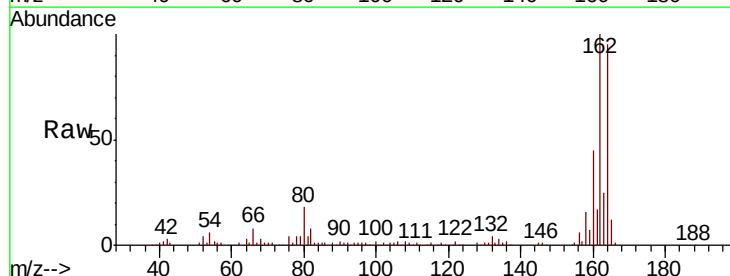


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

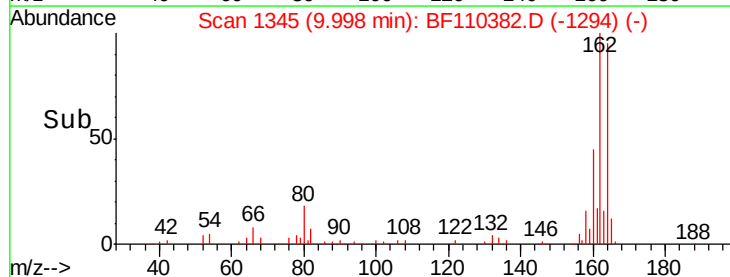
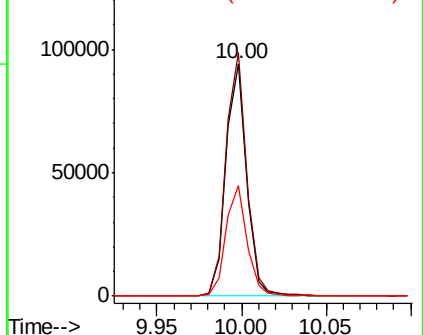


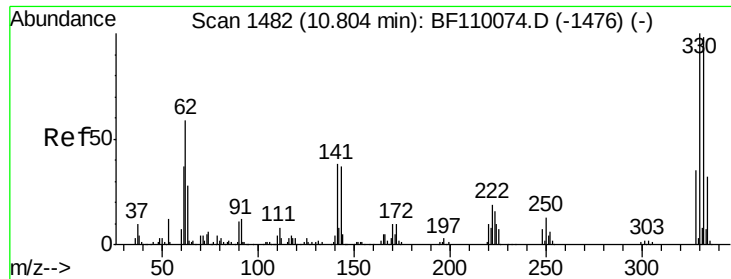
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Tgt Ion:164 Resp: 80554
 Ion Ratio Lower Upper
 164 100
 162 104.8 83.0 124.6
 160 47.6 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

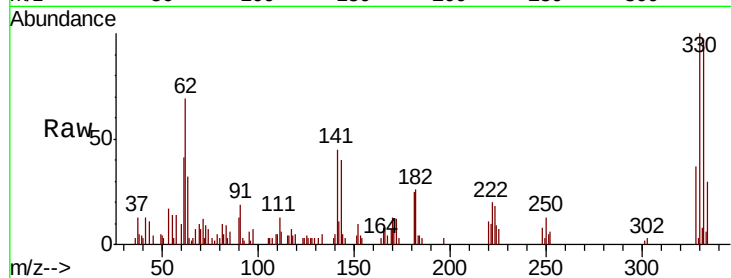




#42
 2,4,6-Tribromophenol
 Concen: 16.447 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	52.0	27.0	40.4

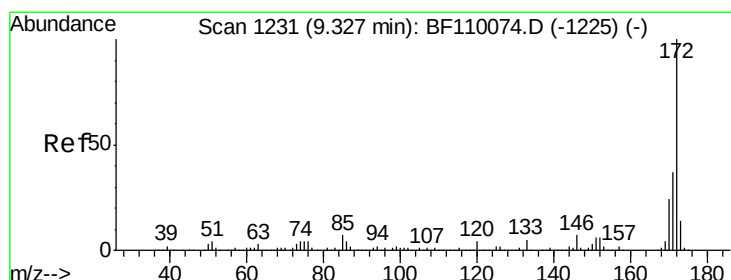
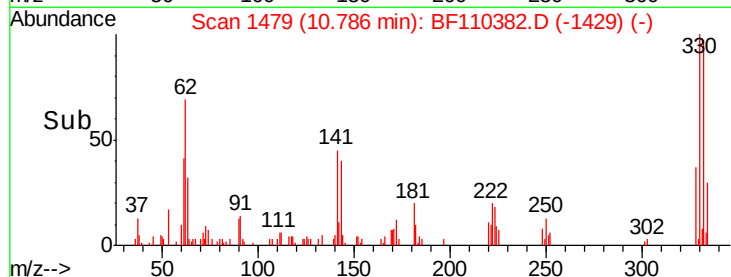
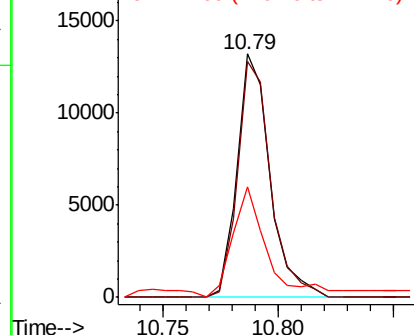


Abundance

Ion 329.80 (329.50 to 330.50): E

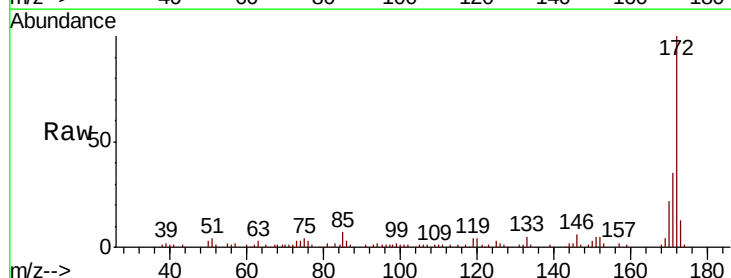
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.389 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.1	19.7	29.5

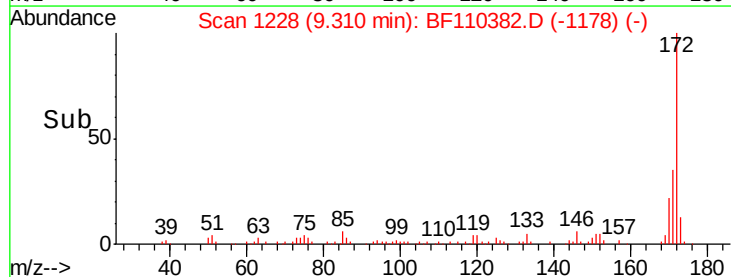
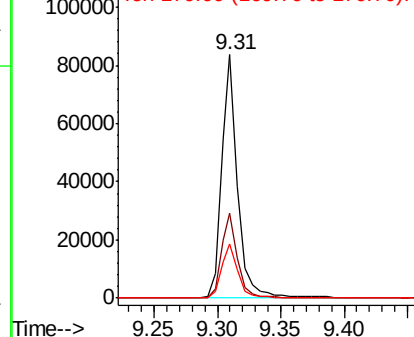


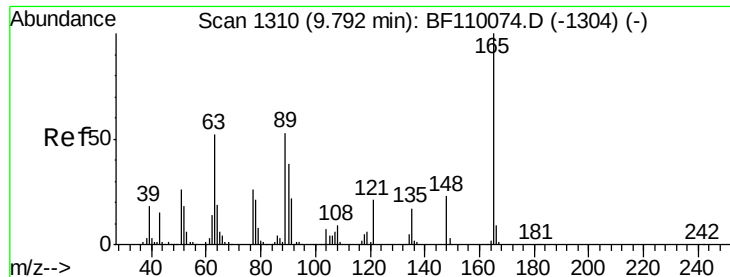
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.313 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampleId :

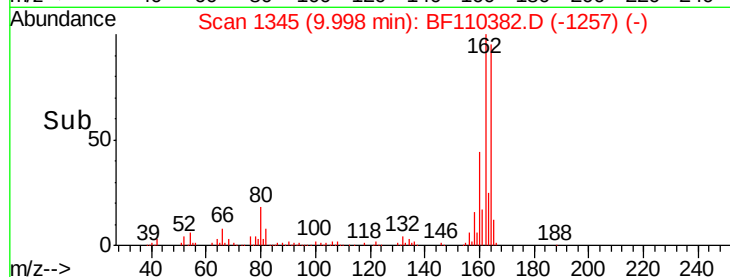
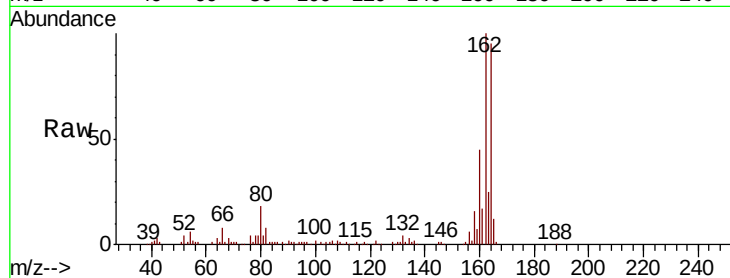
Tot Ion:165 Resp: 11928

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

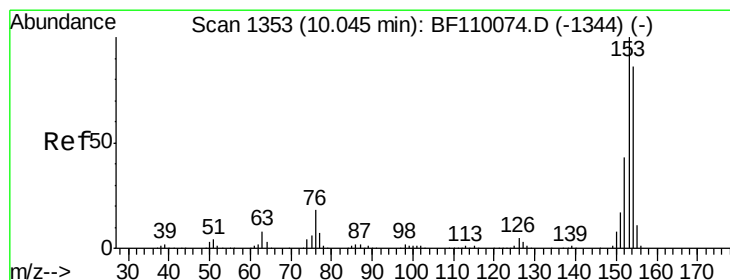
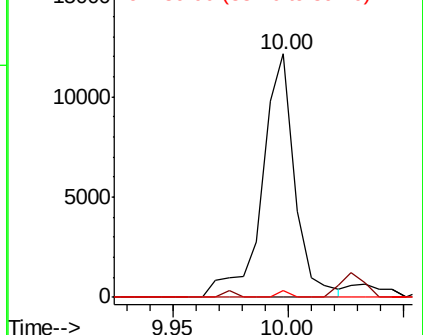
89 3.0 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 2.129 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

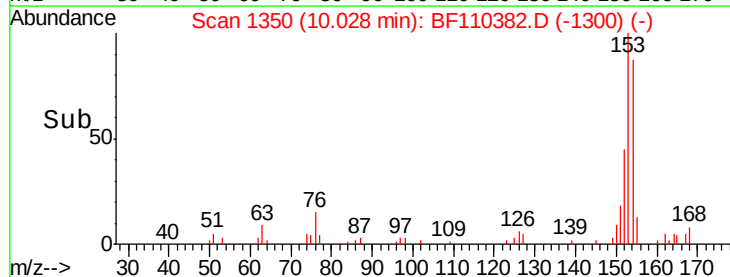
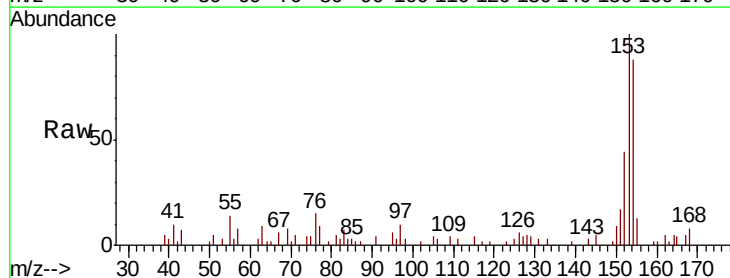
Tgt Ion:154 Resp: 10870

Ion Ratio Lower Upper

154 100

153 114.0 90.1 135.1

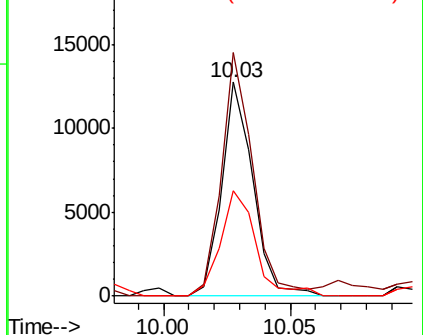
152 49.6 43.4 65.2

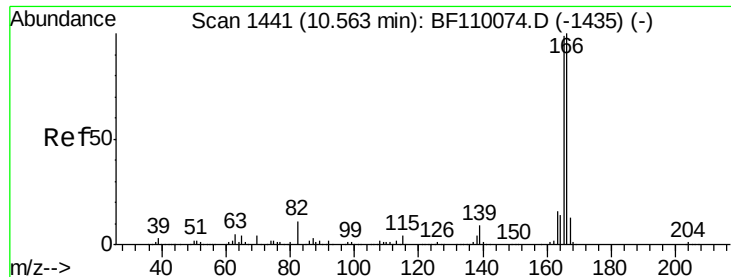


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

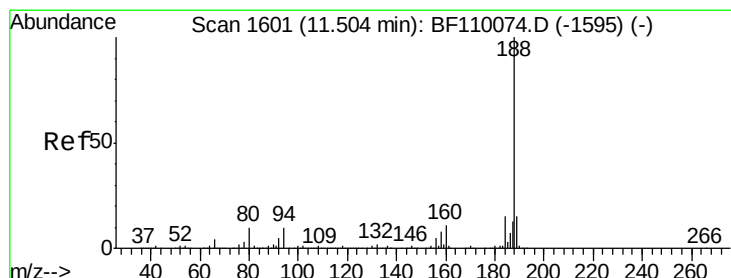
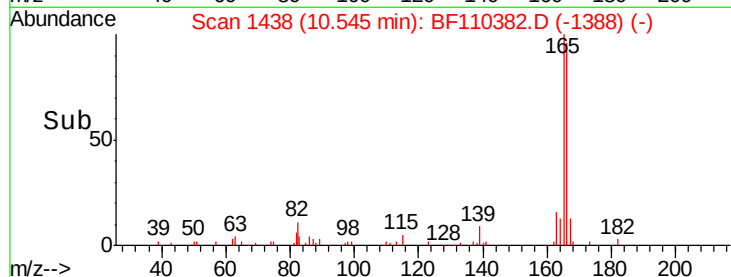
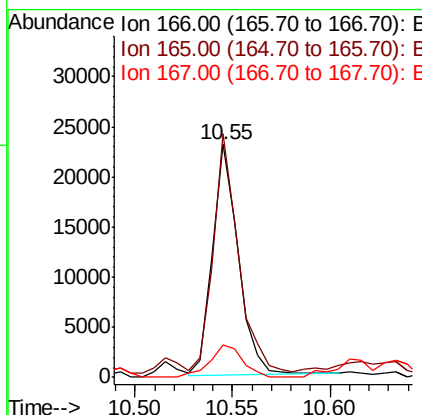
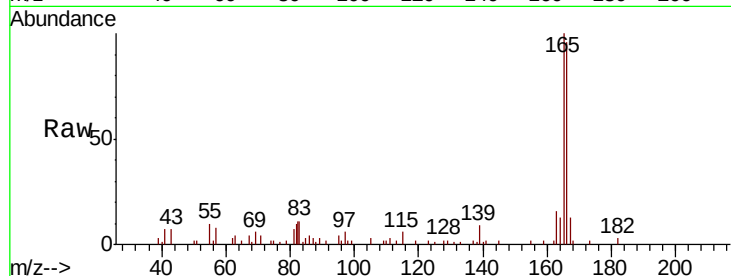




#58
 Fluorene
 Concen: 3.967 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

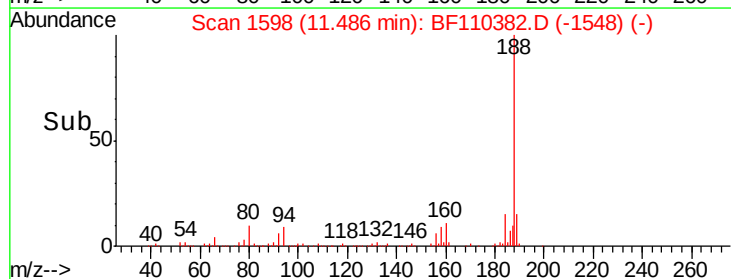
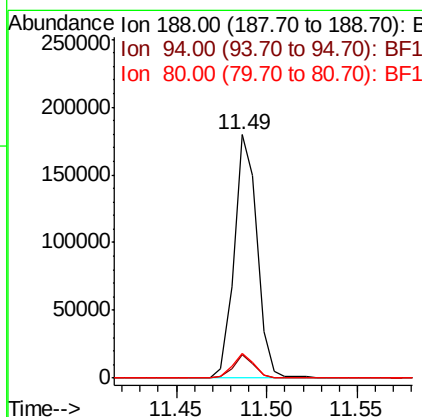
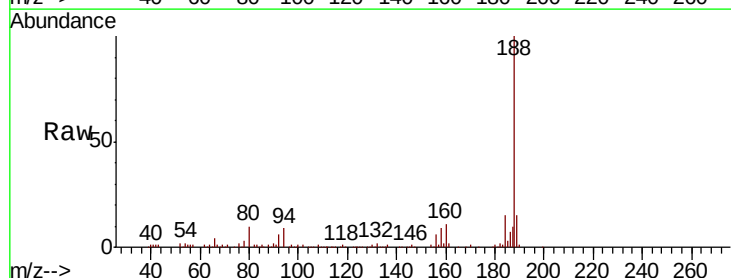
Instrument :
 BNA_F
 ClientSampleId :

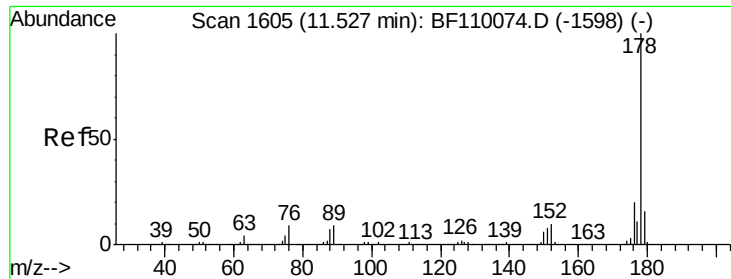
Tot Ion:166 Resp: 21105
 Ion Ratio Lower Upper
 166 100
 165 104.5 78.6 117.8
 167 13.9 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Tgt Ion:188 Resp: 158813
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.2 10.8
 80 10.0 7.9 11.9

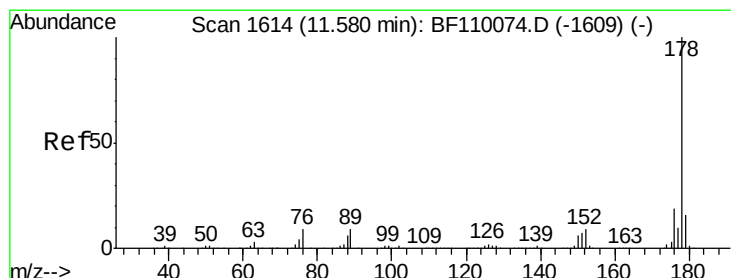
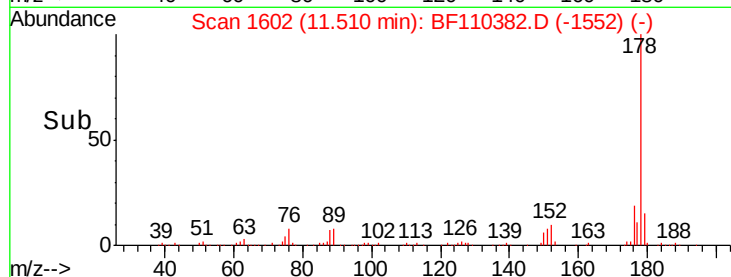
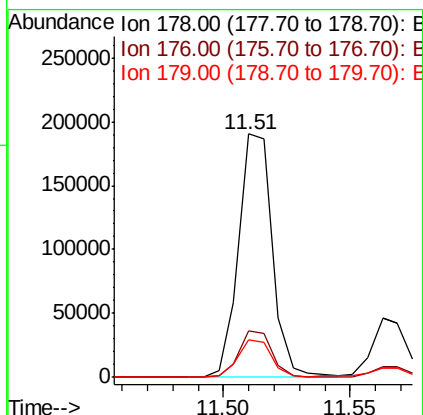
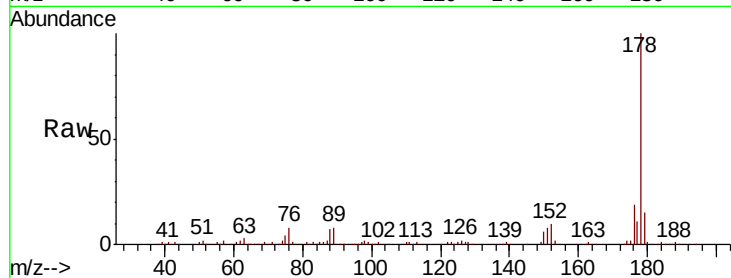




#71
Phenanthrene
Concen: 21.272 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

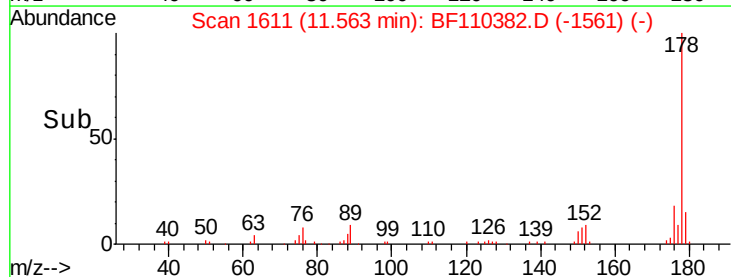
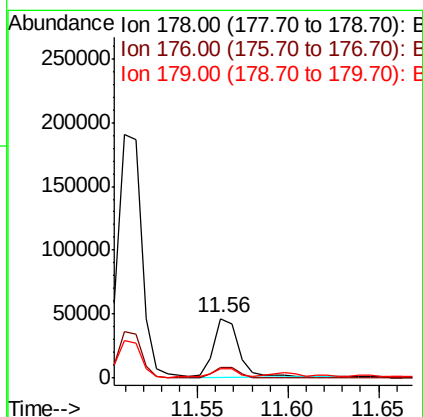
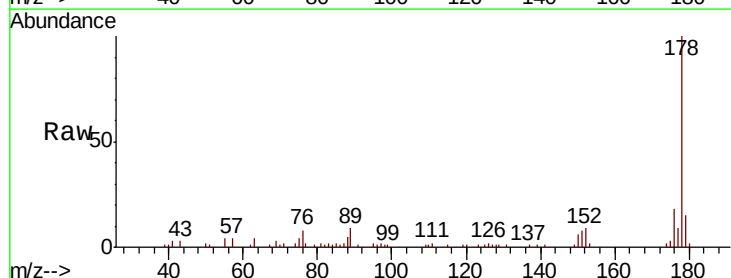
Instrument :
BNA_F
ClientSampleId :

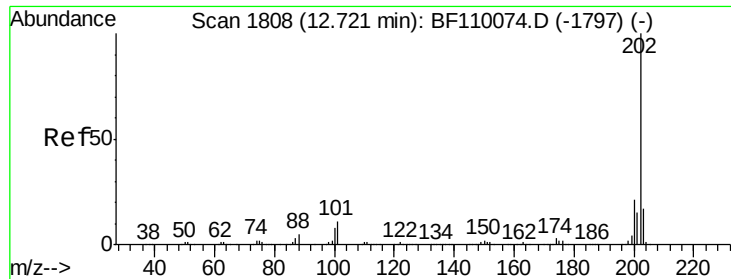
Tot Ion:178 Resp: 176767
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.3 12.5 18.7



#72
Anthracene
Concen: 5.485 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion:178 Resp: 45683
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.0 12.6 18.8





#75

Fluoranthene

Concen: 21.303 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampled :

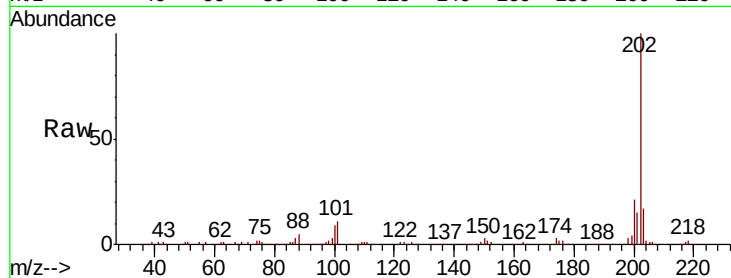
Tot Ion:202 Resp: 179658

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

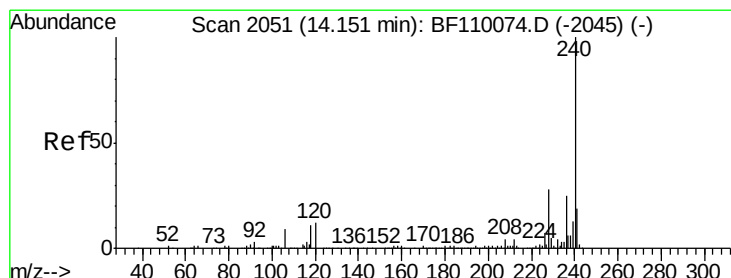
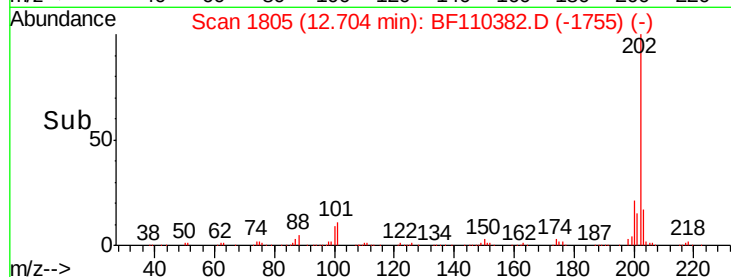
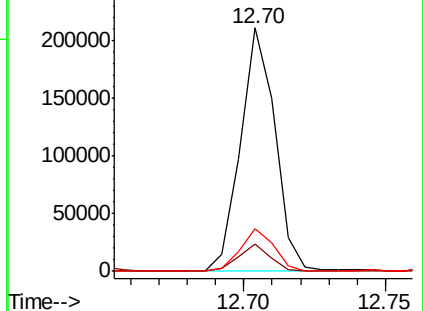
203 17.4 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

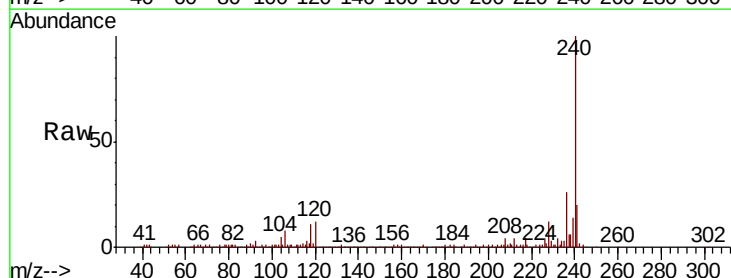
Tgt Ion:240 Resp: 180510

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

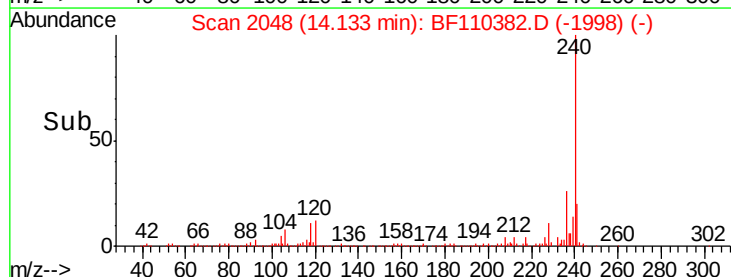
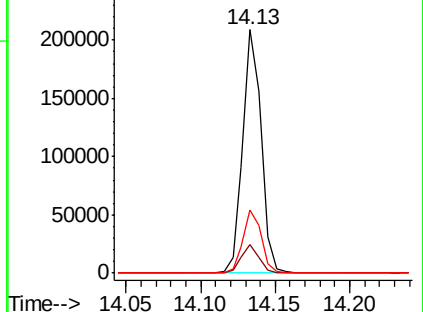
236 26.0 21.2 31.8

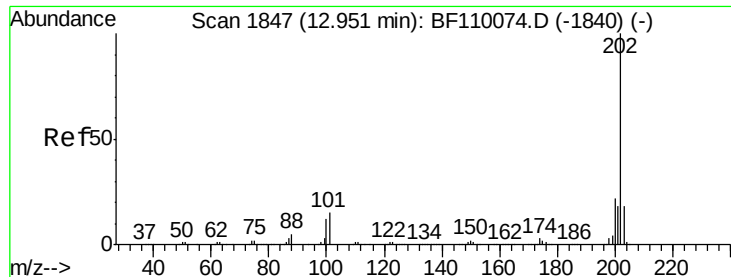


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

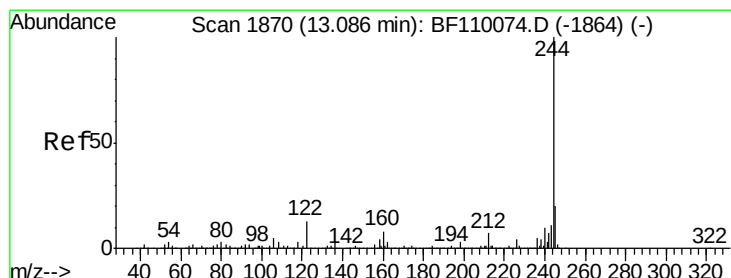
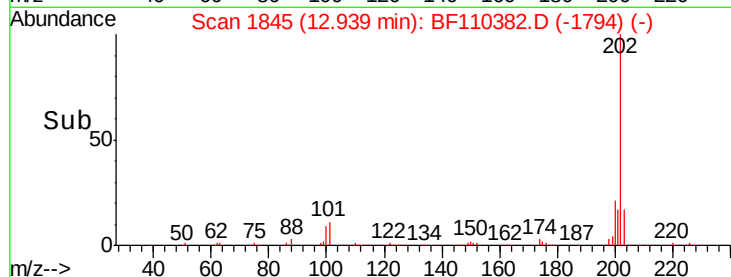
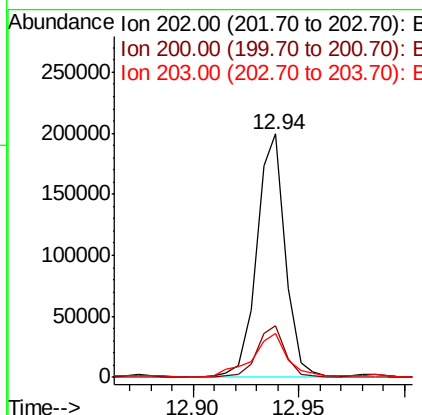
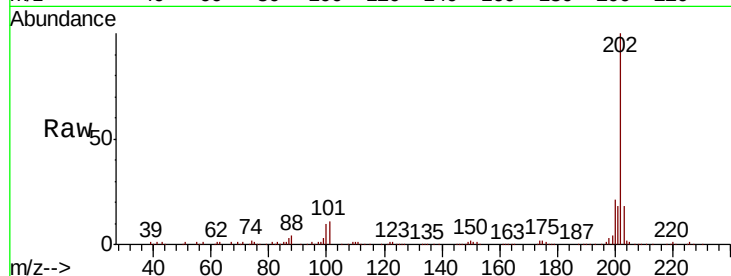




#78
Pvrene
Concen: 14.560 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

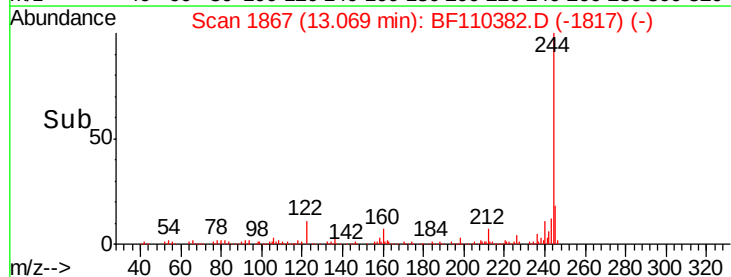
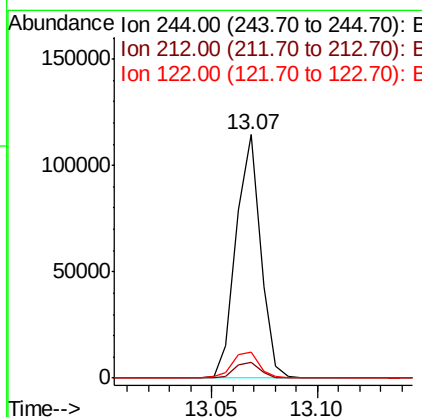
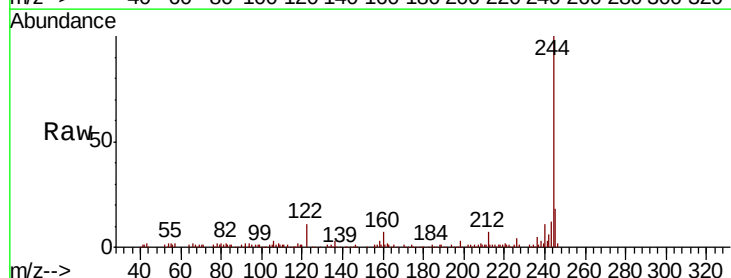
Instrument :
BNA_F
ClientSampled :

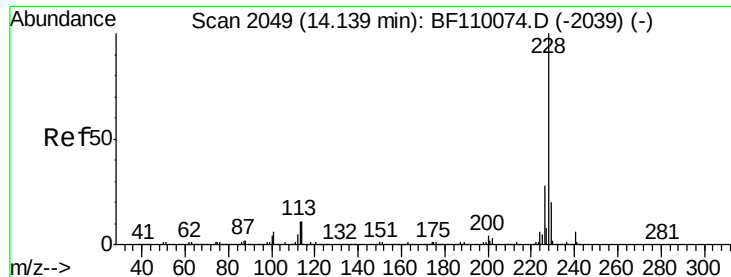
Tot Ion:202 Resp: 188426
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 18.0 14.2 21.4



#79
Terphenyl-d14
Concen: 10.594 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion:244 Resp: 91950
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.8
122 10.9 8.7 13.1

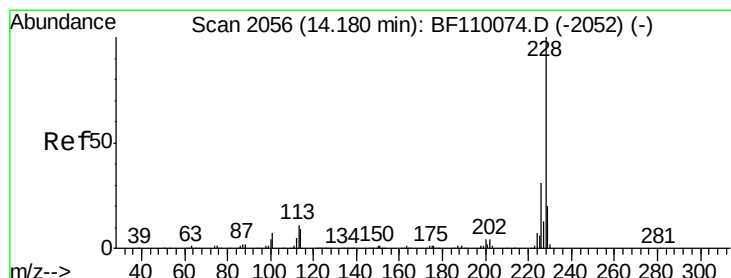
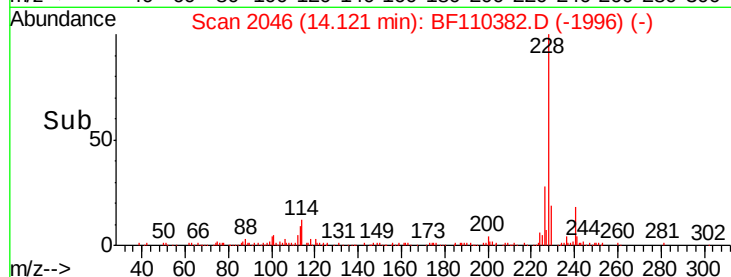
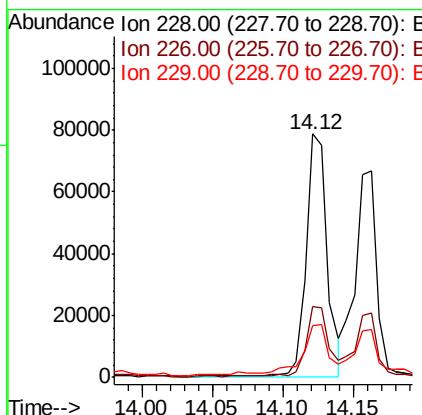
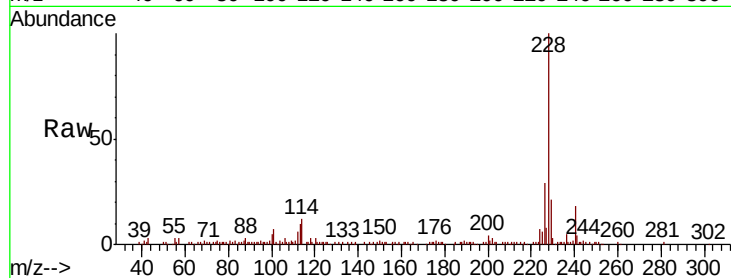




#81
Benzo(a)anthracene
Concen: 7.538 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

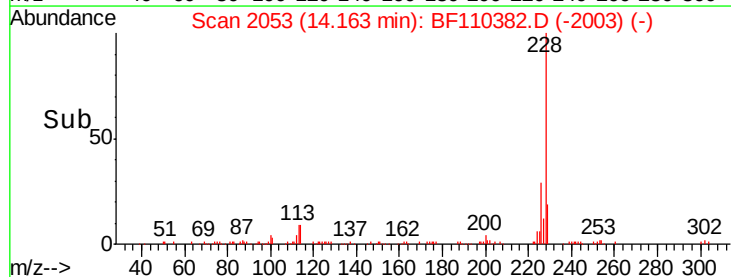
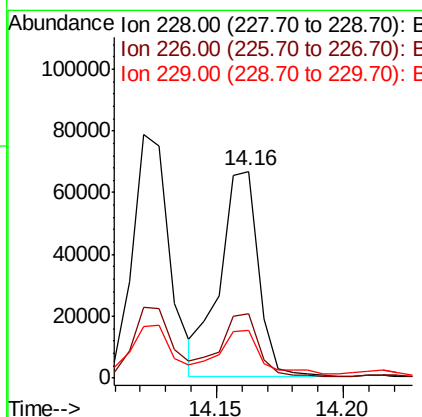
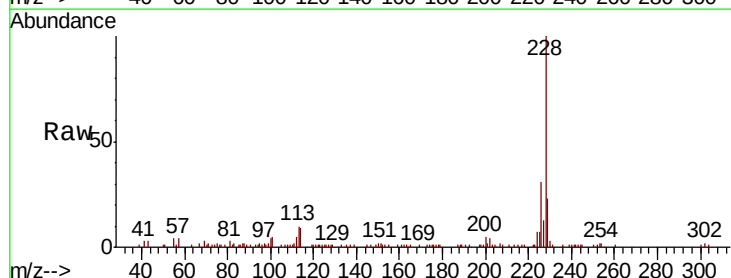
Instrument :
BNA_F
ClientSampled :

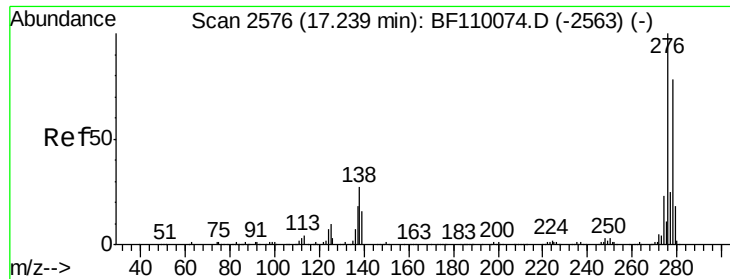
Tot Ion:228 Resp: 80690
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.4 15.6 23.4



#83
Chrysene
Concen: 6.938 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion:228 Resp: 70545
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 23.2 15.9 23.9

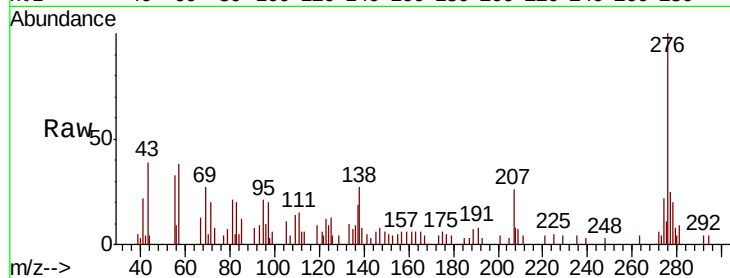




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.220 ng
 RT: 17.22 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	18.5	27.7#
277	28.7	20.0	30.0

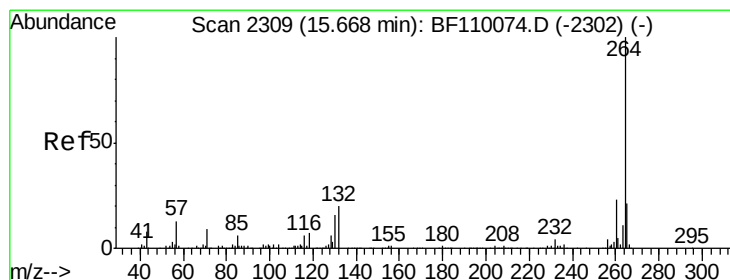
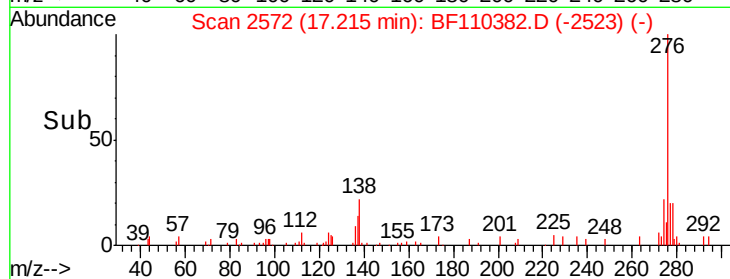
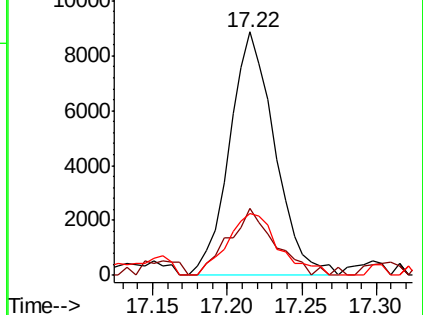


Abundance

Ion 276.00 (275.70 to 276.70): E

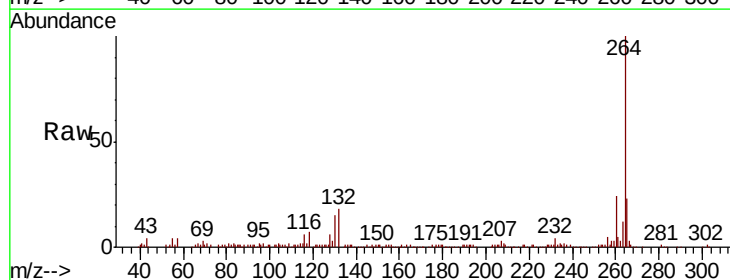
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	23.4	16.7	25.1

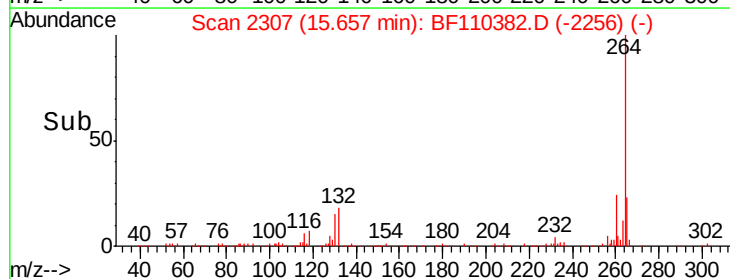
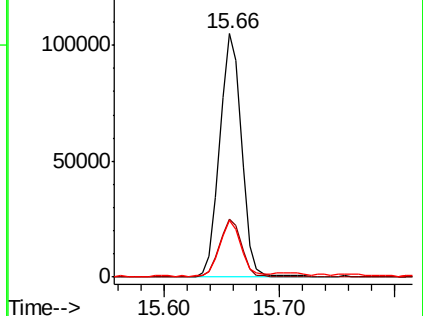


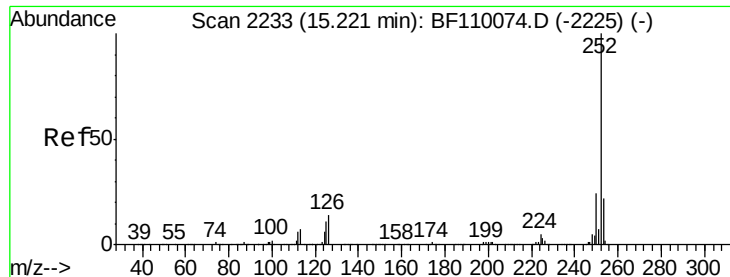
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 9.255 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampleId :

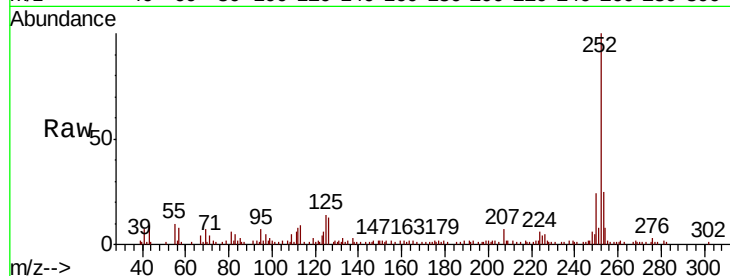
Tot Ion:252 Resp: 73997

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

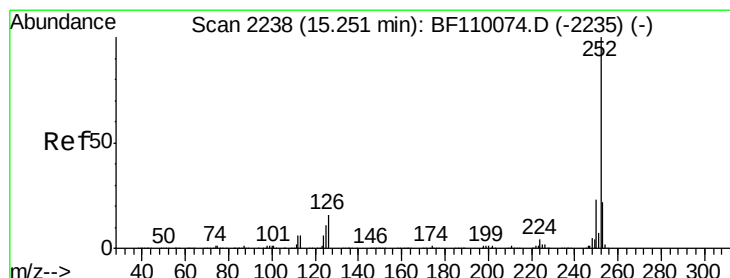
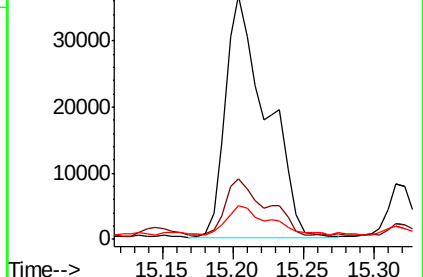
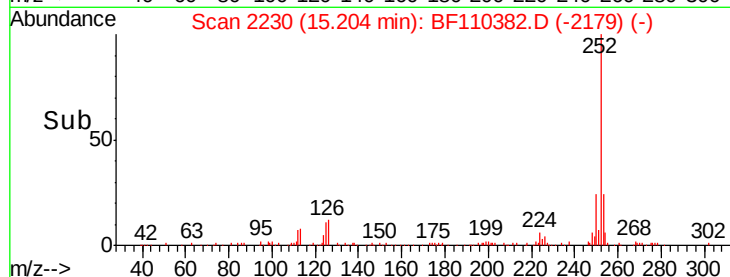
125 13.8 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.414 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

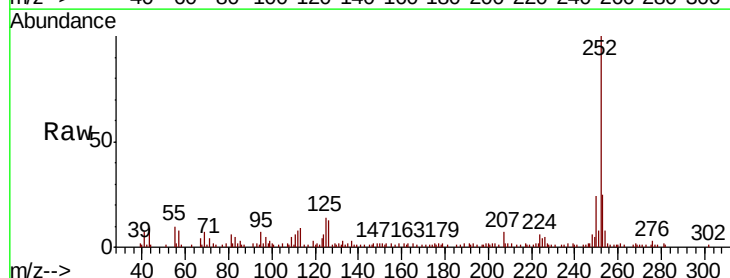
Tgt Ion:252 Resp: 73997

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

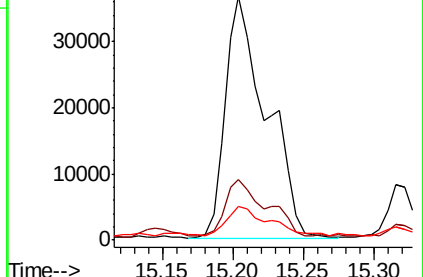
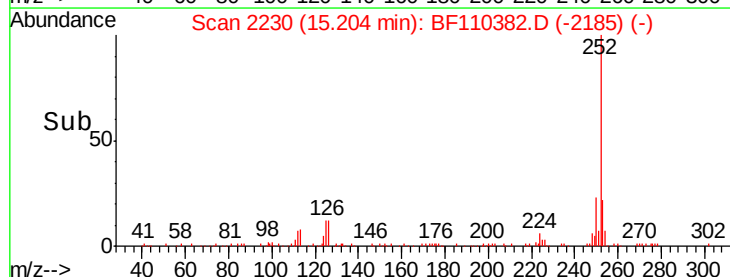
125 13.8 7.4 11.0#

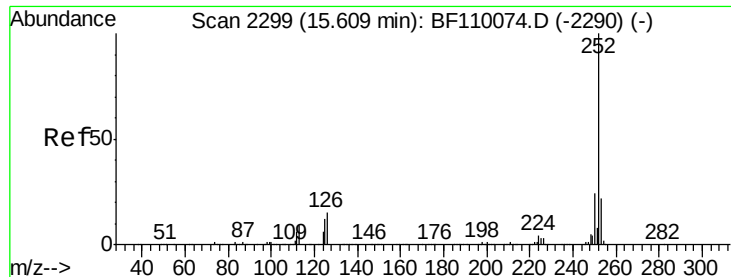


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.023 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampled :

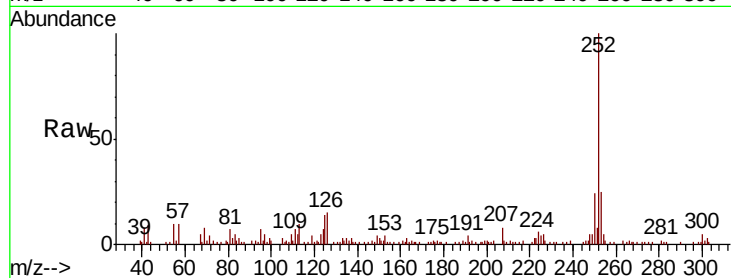
Tot Ion:252 Resp: 44314

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

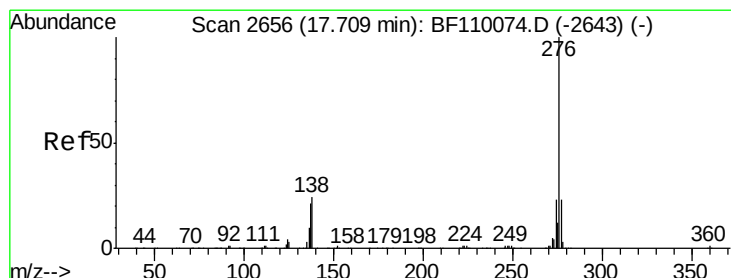
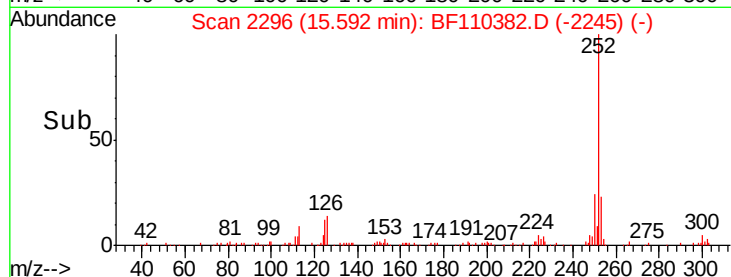
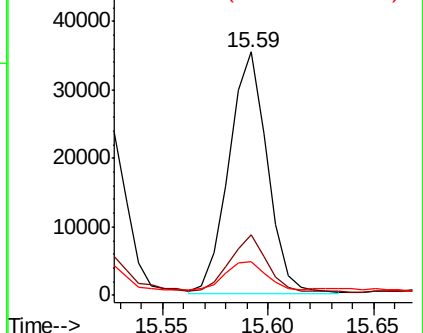
125 13.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.858 ng

RT: 17.69 min Scan# 2653

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

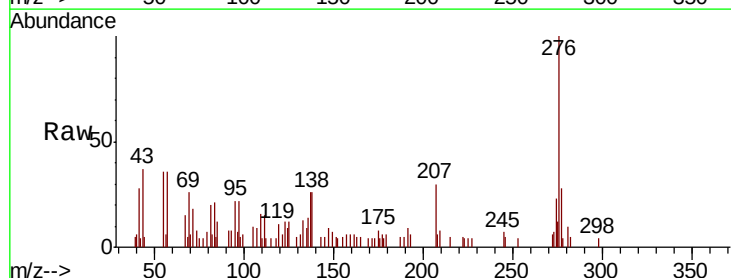
Tgt Ion:276 Resp: 17881

Ion Ratio Lower Upper

276 100

277 27.7 18.8 28.2

138 25.8 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

